



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Richard C. Foss, Peter B. Gillingham and Graham Allan  
Application No.: 10/645,330 Group Art Unit: 2818  
Filed: August 21, 2003 Examiner: Michael T. Tran  
Confirmation No.: 7565  
Title: DELAY LOCKED LOOP IMPLEMENTATION IN A SYNCHRONOUS  
DYNAMIC RANDOM ACCESS MEMORY (AS AMENDED)

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
4/1/05	<i>Jennifer A. Tardiff</i>
Date	Signature
Jennifer A. Tardiff	
Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):  
Applicant requests that the IDS and cited reference(s) be placed in the application  
filewrapper.

(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☐ Copies of the cited references are enclosed.
- ☒ Copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ submission of the enclosed International Search Report.
- ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
- ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed, except any application filed on or after June 30, 2003, which has been scanned into the PTO's Image File Wrapper (IFW) system and is available to the examiner.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

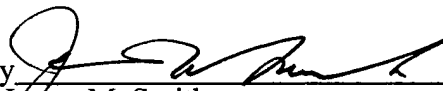
It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

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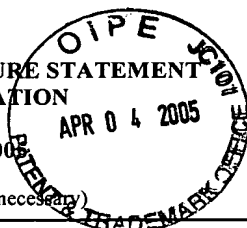
Dated: 4/1/05

PTO-1449 REPRODUCED

**INFORMATION DISCLOSURE STATEMENT  
IN AN APPLICATION**

March 28, 2005

(Use several sheets if necessary)


 ATTORNEY DOCKET NO.  
2037.1004-007

 APPLICATION NO.  
10/645,330

 FIRST NAMED INVENTOR  
Richard C. Foss

 FILING DATE  
August 21, 2003

 EXAMINER  
Michael T. Tran

 CONFIRMATION NO.  
7565

 GROUP  
2818

**U.S. PATENT DOCUMENTS**

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AJ2	5,614,855	03-25-1997	Lee et al.
	AK2	5,619,541	04-08-1997	Van Brunt et al.
	AA3	5,570,054	10-29-1996	Takla
	AB3	5,554,950	09-10-1996	Molin
	AC3	5,537,068	07-16-1996	Konno
	AD3	5,479,128	12-26-1995	Jan et al.
	AE3	5,412,697	05-05-1995	Van Brunt et al.
	AF3	5,410,263	04-25-1995	Waizman
	AG3	5,406,518	04-11-1995	Sun et al.
	AH3	5,317,202	05-31-1994	Waizman
	AI3	5,093,807	03-03-1992	Hashimoto et al.
	AJ3	4,549,283	10-22-1985	McDermott, II
	AK3	4,016,511	04-05-1977	Ramsey et al.
	AA4	3,676,711	07-11-1972	Ahrons
	AB4	3,413,615	09-16-1965	Botjer et al.
	AC4	6,034,901	03-07-2000	Toda
	AD4	5,986,949	11-16-1999	Toda
	AE4	5,867,432	02-02-1999	Toda
	AF4	US2002/0021617 A1	02-21-2002	Toda et al.
	AG4	US2003/0117884 A1	06-26-2003	Toda et al.
	AH4	6,639,869 B2	10-28-2003	Toda et al.
	AI4	6,510,101 B2	01-21-2003	Toda et al.
	AJ4	6,310,821 B1	10-30-2001	Toda et al.
	AK4	5,986,968	11-16-1999	Toda et al.
	AA5	5,818,793	10-06-1998	Toda et al.
	AB5	5,798,979	08-25-1998	Toda et al.

EXAMINER

DATE CONSIDERED

**March 28, 2005**

(Use several sheets if necessary)

GROUP  
2818

[illegible]

DATE CONSIDERED